FIG.1

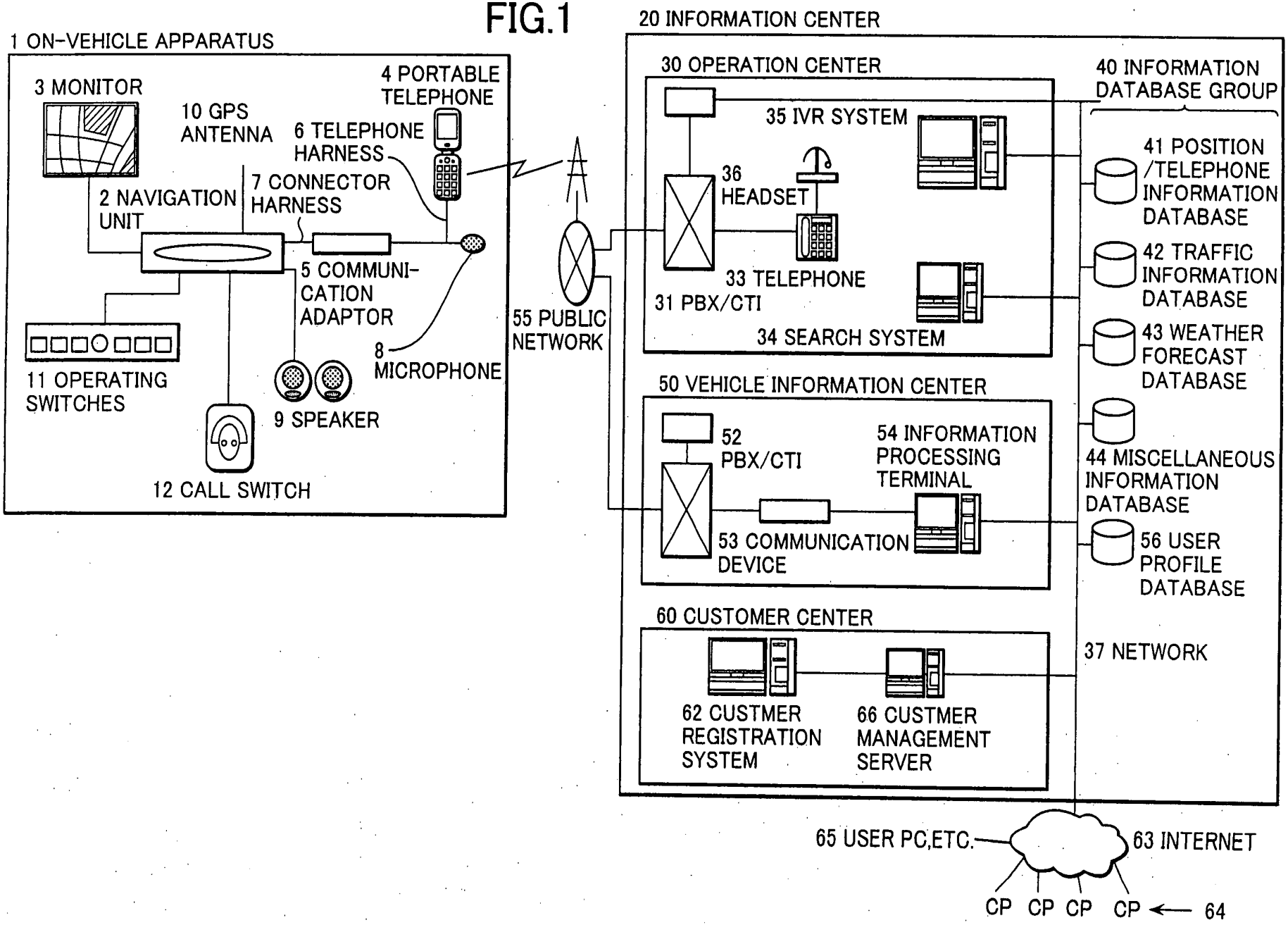

1 ON-VEHICLE APPARATUS
3 MONITOR
10 GPS ANTENNA
4 PORTABLE TELEPHONE
6 TELEPHONE HARNESS
2 NAVIGATION UNIT
7 CONNECTOR HARNESS
5 COMMUNI-CATION ADAPTOR
8 MICROPHONE
11 OPERATING SWITCHES
9 SPEAKER
12 CALL SWITCH
55 PUBLIC NETWORK
20 INFORMATION CENTER
30 OPERATION CENTER
35 IVR SYSTEM
36 HEADSET
33 TELEPHONE
31 PBX/CTI
34 SEARCH SYSTEM
40 INFORMATION DATABASE GROUP
41 POSITION /TELEPHONE INFORMATION DATABASE
42 TRAFFIC INFORMATION DATABASE
43 WEATHER FORECAST DATABASE
44 MISCELLANEOUS INFORMATION DATABASE
56 USER PROFILE DATABASE
50 VEHICLE INFORMATION CENTER
52 PBX/CTI
54 INFORMATION PROCESSING TERMINAL
53 COMMUNICATION DEVICE
60 CUSTOMER CENTER
62 CUSTMER REGISTRATION SYSTEM
66 CUSTMER MANAGEMENT SERVER
37 NETWORK
65 USER PC,ETC.
63 INTERNET
CP CP CP CP
64

FIG.2

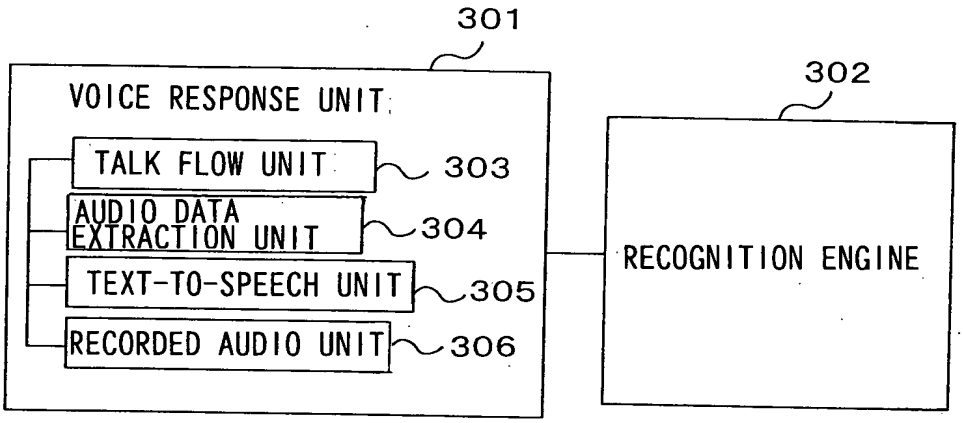

301
VOICE RESPONSE UNIT
TALK FLOW UNIT
303
AUDIO DATA EXTRACTION UNIT
304
TEXT-TO-SPEECH UNIT
305
RECORDED AUDIO UNIT
306
302
RECOGNITION ENGINE

FIG.3

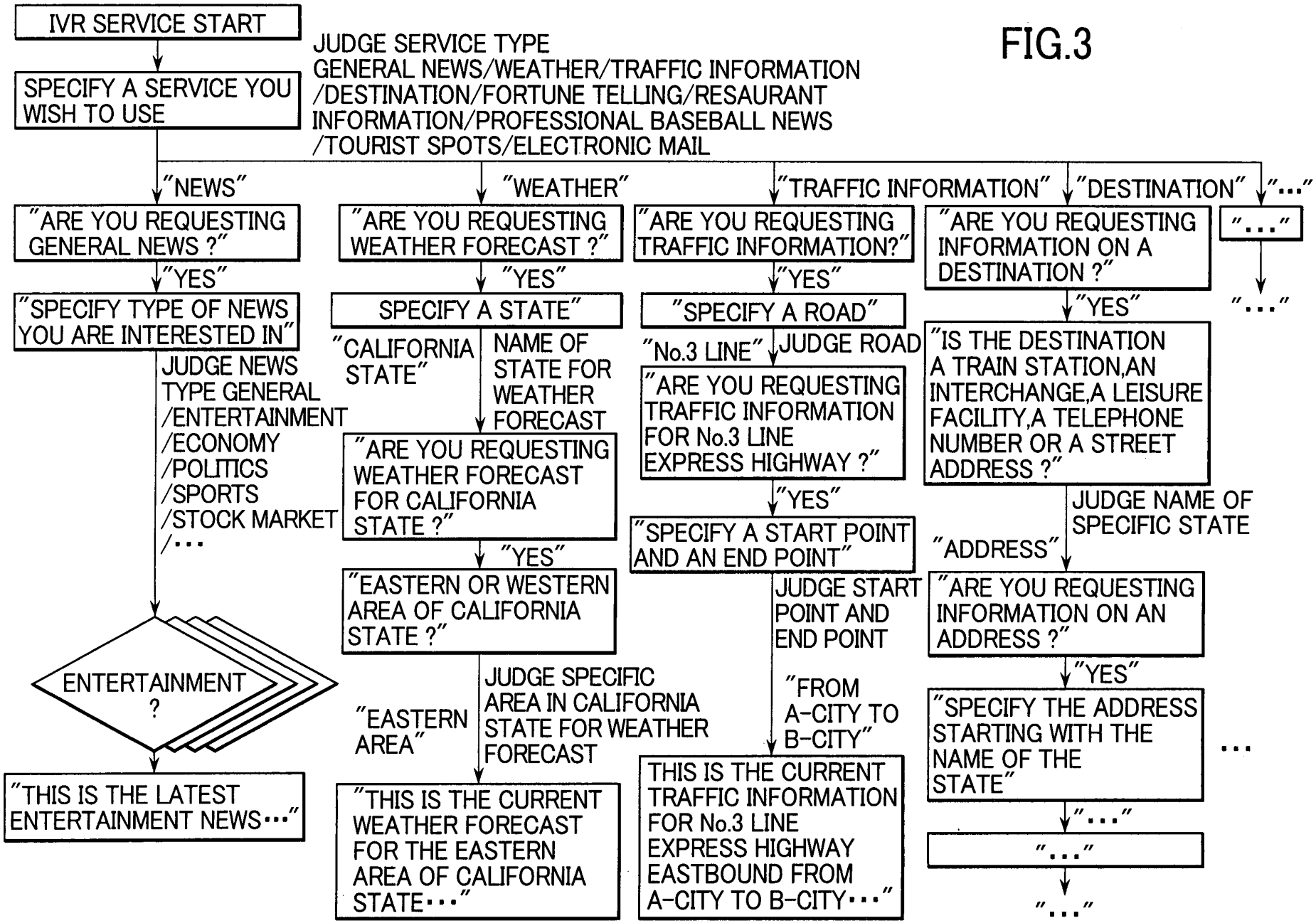
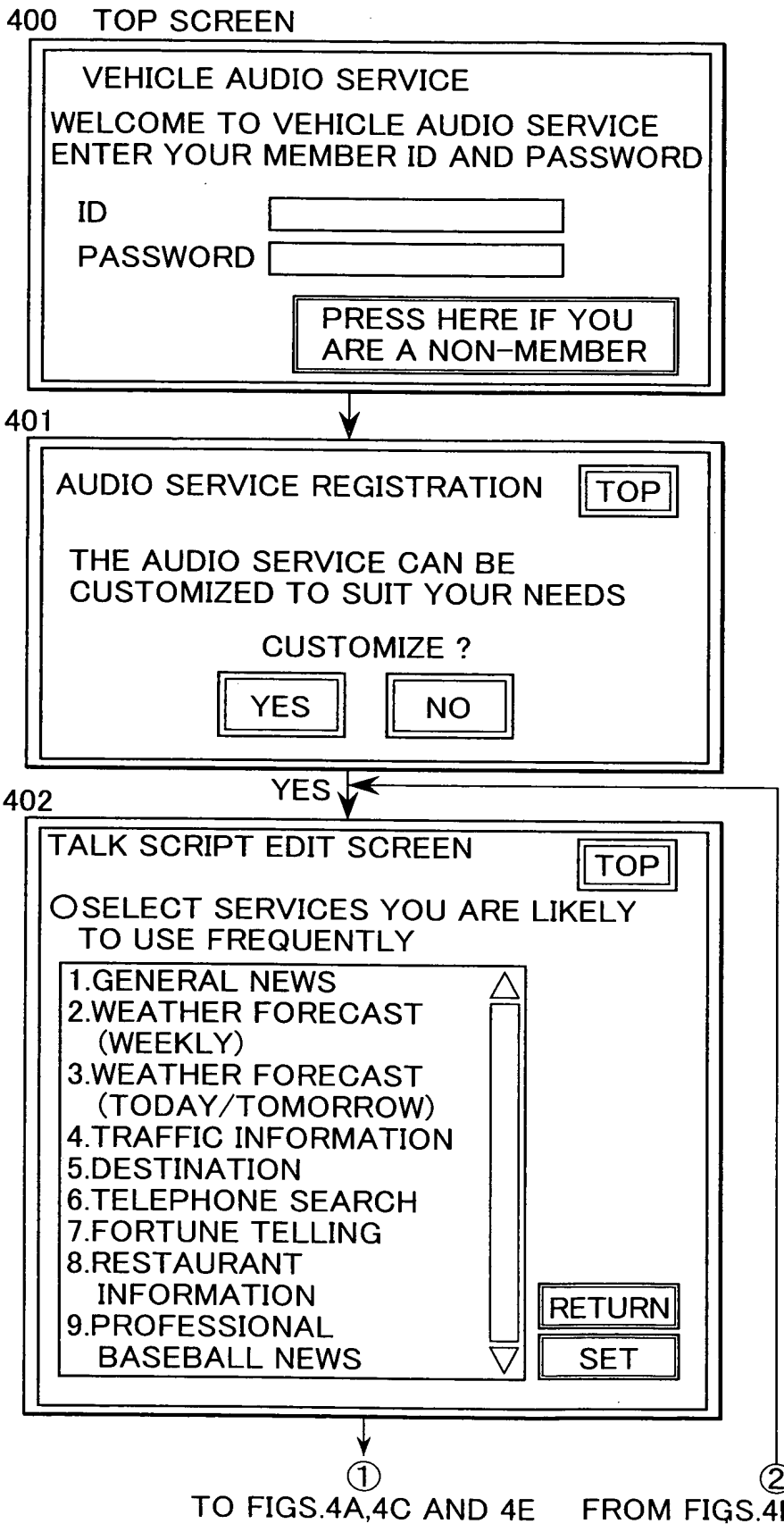

IVR SERVICE START
SPECIFY A SERVICE YOU WISH TO USE
JUDGE SERVICE TYPE GENERAL NEWS/WEATHER/TRAFFIC INFORMATION /DESTINATION/FORTUNE TELLING/RESAURANT INFORMATION/PROFESSIONAL BASEBALL NEWS /TOURIST SPOTS/ELECTRONIC MAIL
"NEWS"
"WEATHER"
"TRAFFIC INFORMATION"
"DESTINATION"
"..."
"ARE YOU REQUESTING GENERAL NEWS ?"
"YES"
"SPECIFY TYPE OF NEWS YOU ARE INTERESTED IN"
JUDGE NEWS TYPE GENERAL /ENTERTAINMENT /ECONOMY /POLITICS /SPORTS /STOCK MARKET /...
ENTERTAINMENT ?
"THIS IS THE LATEST ENTERTAINMENT NEWS..."
"ARE YOU REQUESTING WEATHER FORECAST ?"
"YES"
SPECIFY A STATE"
"CALIFORNIA STATE"
NAME OF STATE FOR WEATHER FORECAST
"ARE YOU REQUESTING WEATHER FORECAST FOR CALIFORNIA STATE ?"
"YES"
"EASTERN OR WESTERN AREA OF CALIFORNIA STATE ?"
"EASTERN AREA"
JUDGE SPECIFIC AREA IN CALIFORNIA STATE FOR WEATHER FORECAST
"THIS IS THE CURRENT WEATHER FORECAST FOR THE EASTERN AREA OF CALIFORNIA STATE..."
"ARE YOU REQUESTING TRAFFIC INFORMATION?"
"YES"
"SPECIFY A ROAD"
"No.3 LINE"
JUDGE ROAD
"ARE YOU REQUESTING TRAFFIC INFORMATION FOR No.3 LINE EXPRESS HIGHWAY ?"
"YES"
"SPECIFY A START POINT AND AN END POINT"
JUDGE START POINT AND END POINT
"FROM A-CITY TO B-CITY"
THIS IS THE CURRENT TRAFFIC INFORMATION FOR No.3 LINE EXPRESS HIGHWAY EASTBOUND FROM A-CITY TO B-CITY..."
"ARE YOU REQUESTING INFORMATION ON A DESTINATION ?"
"YES"
"IS THE DESTINATION A TRAIN STATION,AN INTERCHANGE,A LEISURE FACILITY,A TELEPHONE NUMBER OR A STREET ADDRESS ?"
JUDGE NAME OF SPECIFIC STATE
"ADDRESS"
"ARE YOU REQUESTING INFORMATION ON AN ADDRESS ?"
"YES"
"SPECIFY THE ADDRESS STARTING WITH THE NAME OF THE STATE"
"..."
"..."
"..."
"..."
"..."
"..."
...

FIG.4A

EXAMPLE OF CUSTOMIZATION EXECUTED ON THE WEB



TO FIGS.4A,4C AND 4E FROM FIGS.4B,4D AND 4F

FIG.4B

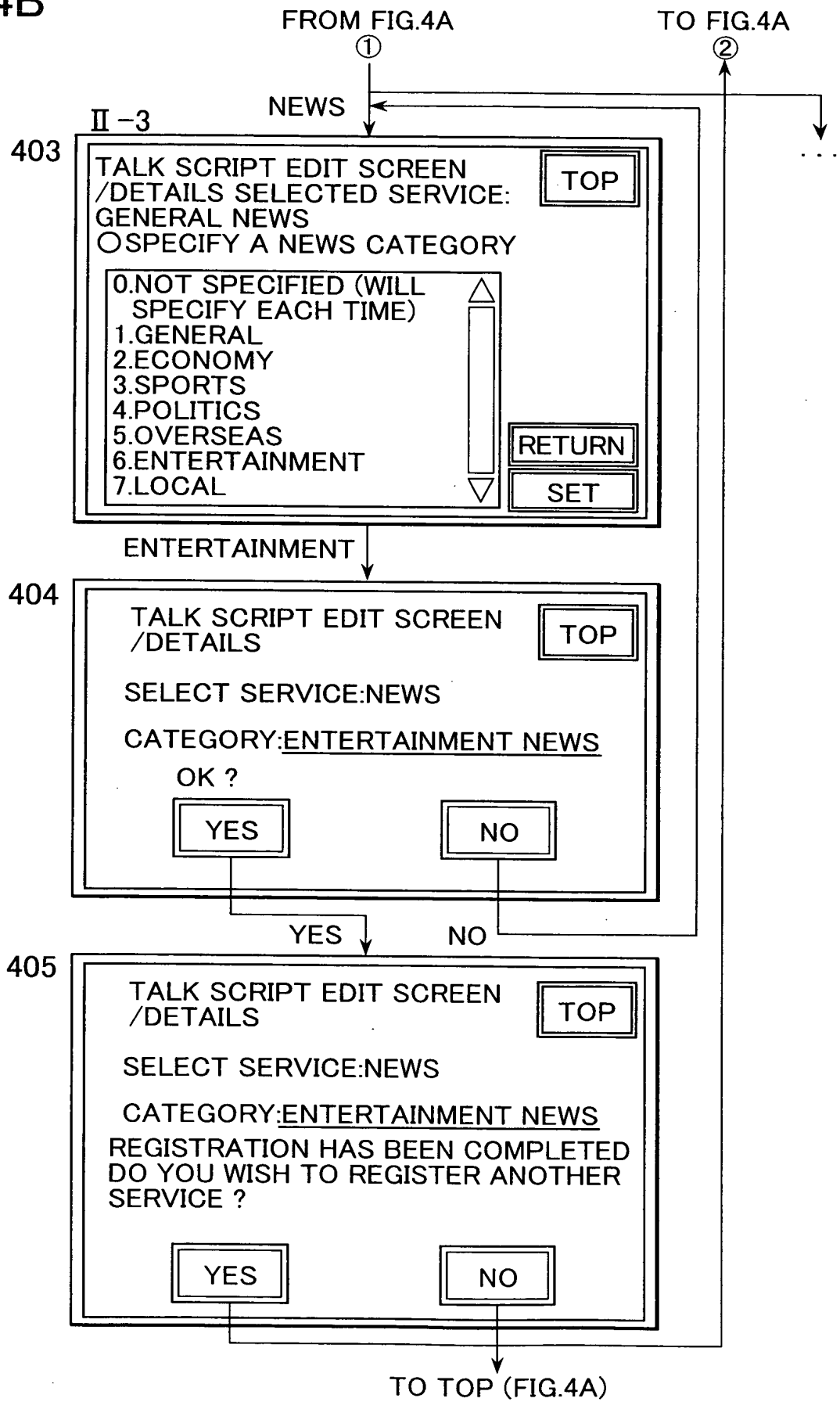

FROM FIG.4A
①
TO FIG.4A
②
NEWS
II -3
403
TALK SCRIPT EDIT SCREEN
/DETAILS SELECTED SERVICE:
GENERAL NEWS
○SPECIFY A NEWS CATEGORY
TOP
0.NOT SPECIFIED (WILL SPECIFY EACH TIME)
1.GENERAL
2.ECONOMY
3.SPORTS
4.POLITICS
5.OVERSEAS
6.ENTERTAINMENT
7.LOCAL
RETURN
SET
ENTERTAINMENT
404
TALK SCRIPT EDIT SCREEN
/DETAILS
TOP
SELECT SERVICE:NEWS
CATEGORY:ENTERTAINMENT NEWS
OK ?
YES
NO
YES
NO
405
TALK SCRIPT EDIT SCREEN
/DETAILS
TOP
SELECT SERVICE:NEWS
CATEGORY:ENTERTAINMENT NEWS
REGISTRATION HAS BEEN COMPLETED
DO YOU WISH TO REGISTER ANOTHER SERVICE ?
YES
NO
TO TOP (FIG.4A)

FIG.4C

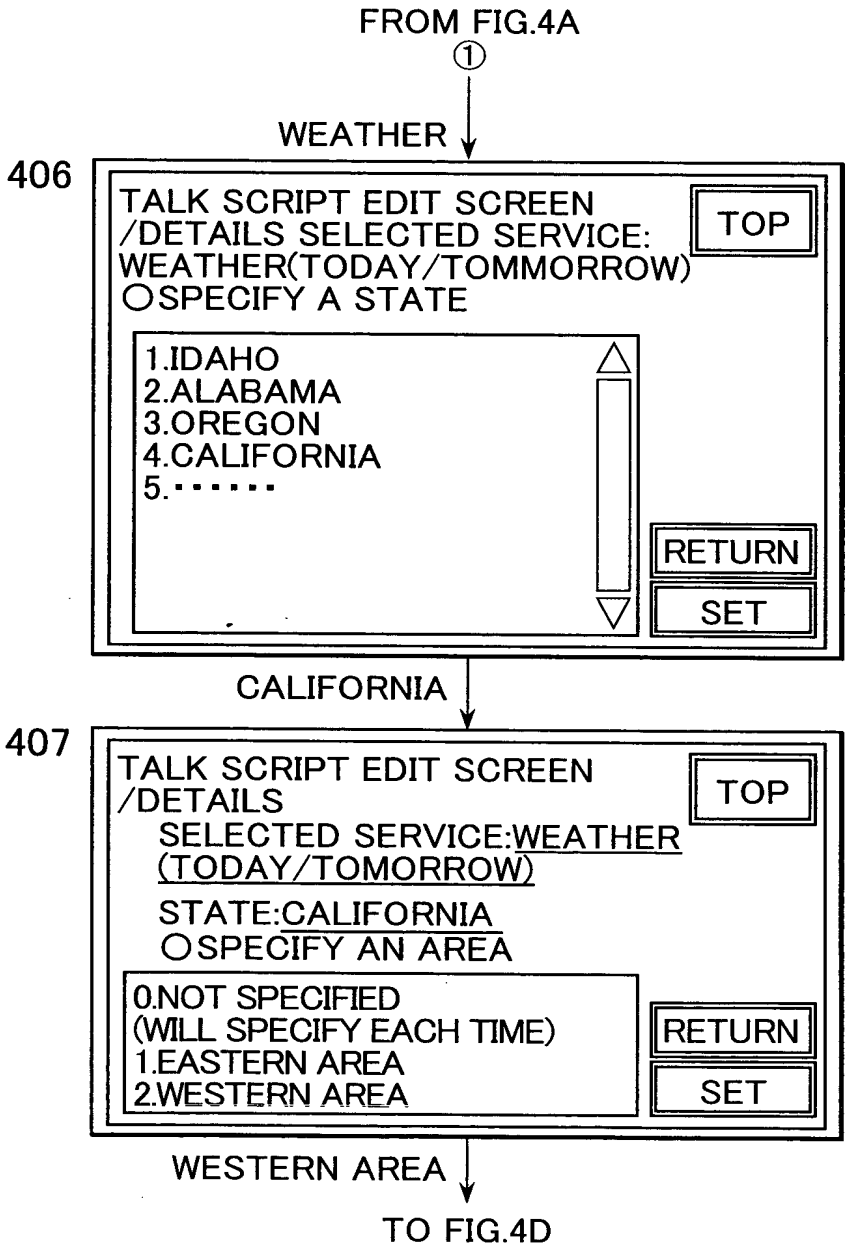

FROM FIG.4A
①
WEATHER
406
TALK SCRIPT EDIT SCREEN
/DETAILS SELECTED SERVICE:
WEATHER(TODAY/TOMMORROW)
○SPECIFY A STATE
TOP
1.IDAHO
2.ALABAMA
3.OREGON
4.CALIFORNIA
5.・・・・・・
RETURN
SET
CALIFORNIA
407
TALK SCRIPT EDIT SCREEN
/DETAILS
SELECTED SERVICE:WEATHER
(TODAY/TOMORROW)
STATE:CALIFORNIA
○SPECIFY AN AREA
TOP
0.NOT SPECIFIED
(WILL SPECIFY EACH TIME)
1.EASTERN AREA
2.WESTERN AREA
RETURN
SET
WESTERN AREA
TO FIG.4D

FIG.4D

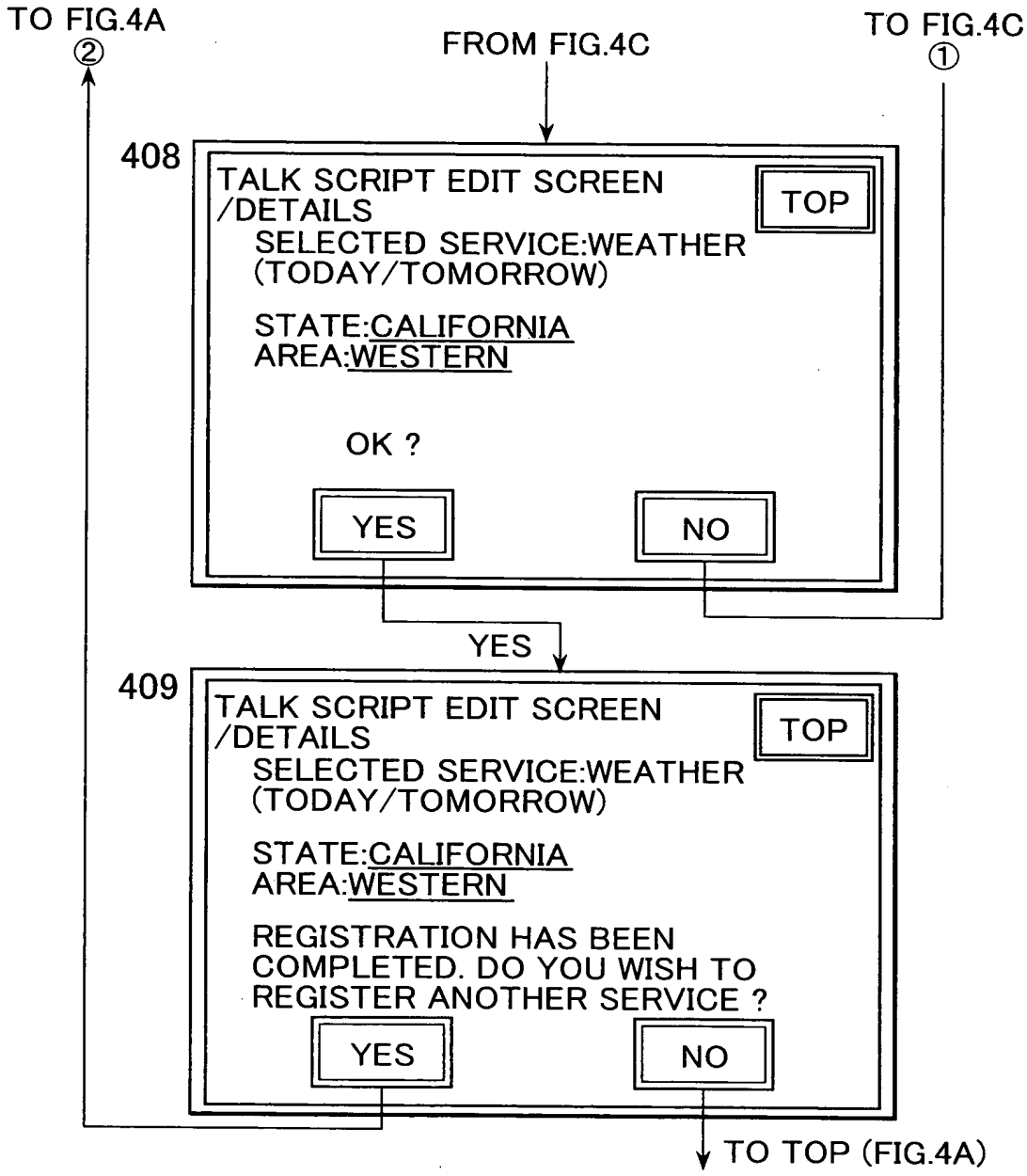

TO FIG.4A
②
FROM FIG.4C
TO FIG.4C
①
408
TALK SCRIPT EDIT SCREEN
/DETAILS
TOP
SELECTED SERVICE:WEATHER
(TODAY/TOMORROW)
STATE:CALIFORNIA
AREA:WESTERN
OK ?
YES
NO
YES
409
TALK SCRIPT EDIT SCREEN
/DETAILS
TOP
SELECTED SERVICE:WEATHER
(TODAY/TOMORROW)
STATE:CALIFORNIA
AREA:WESTERN
REGISTRATION HAS BEEN
COMPLETED. DO YOU WISH TO
REGISTER ANOTHER SERVICE ?
YES
NO
TO TOP (FIG.4A)

FIG.4E

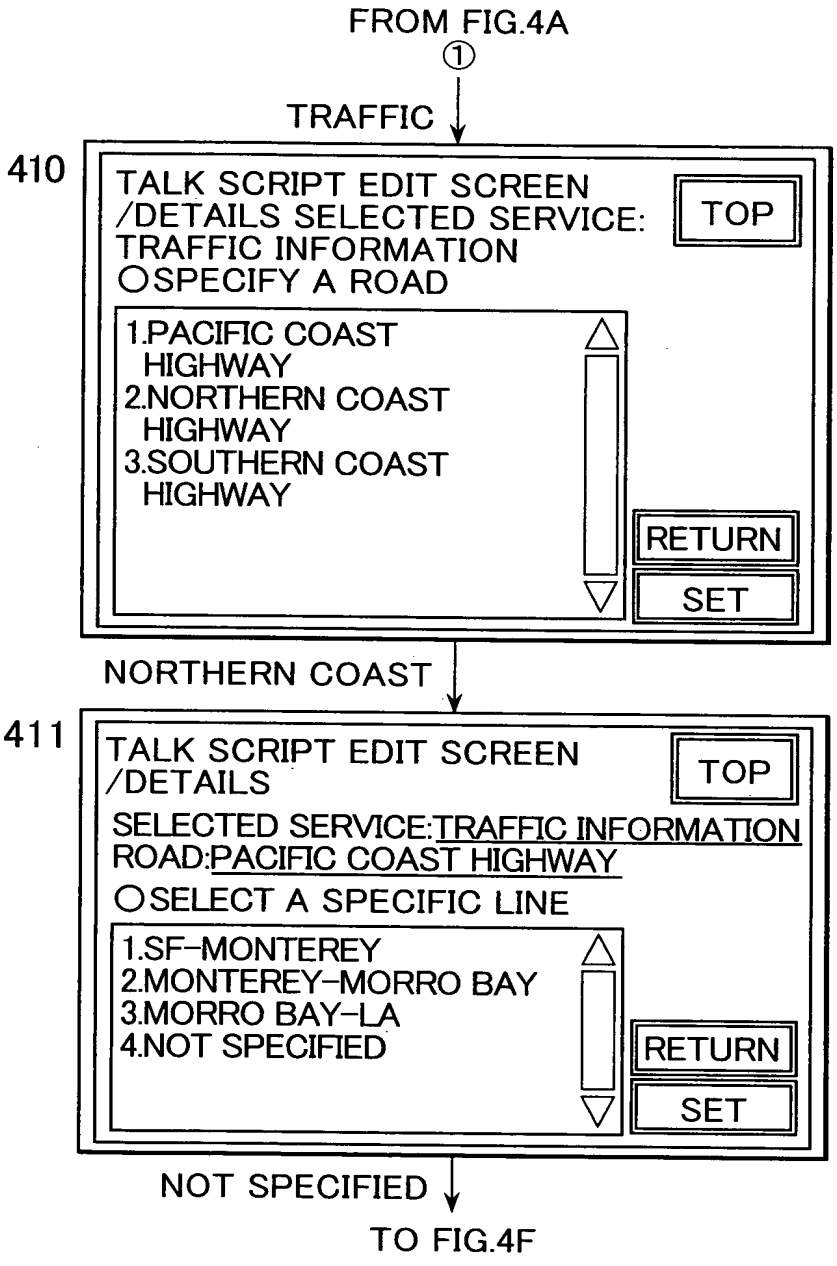

FROM FIG.4A
①
TRAFFIC
410
TALK SCRIPT EDIT SCREEN
/DETAILS SELECTED SERVICE:
TRAFFIC INFORMATION
○SPECIFY A ROAD
TOP
1.PACIFIC COAST
HIGHWAY
2.NORTHERN COAST
HIGHWAY
3.SOUTHERN COAST
HIGHWAY
RETURN
SET
NORTHERN COAST
411
TALK SCRIPT EDIT SCREEN
/DETAILS
TOP
SELECTED SERVICE:TRAFFIC INFORMATION
ROAD:PACIFIC COAST HIGHWAY
○SELECT A SPECIFIC LINE
1.SF-MONTEREY
2.MONTEREY-MORRO BAY
3.MORRO BAY-LA
4.NOT SPECIFIED
RETURN
SET
NOT SPECIFIED
TO FIG.4F

FIG.4F

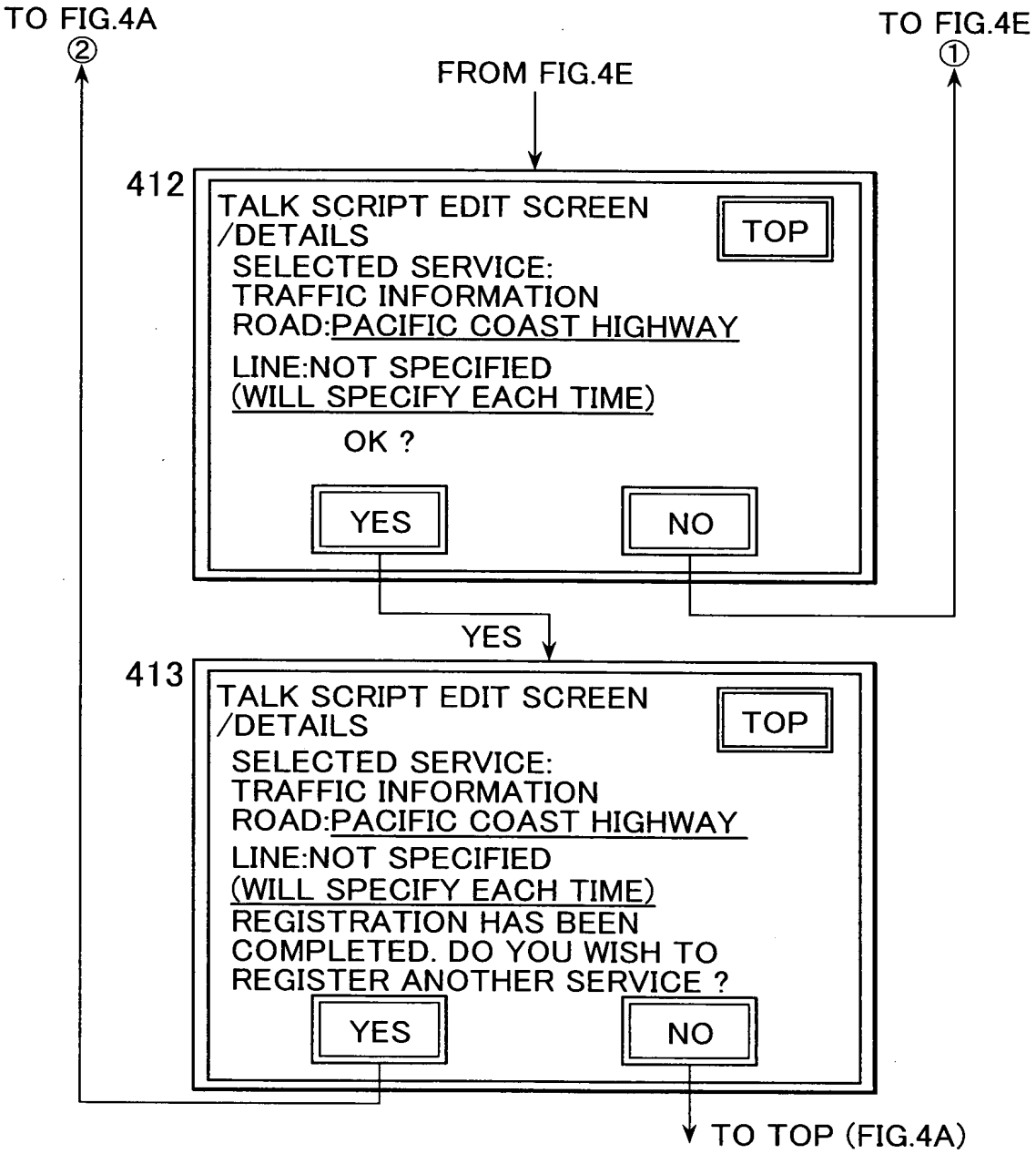

TO FIG.4A
②
TO FIG.4E
①
FROM FIG.4E
412
TALK SCRIPT EDIT SCREEN
/DETAILS
TOP
SELECTED SERVICE:
TRAFFIC INFORMATION
ROAD:PACIFIC COAST HIGHWAY
LINE:NOT SPECIFIED
(WILL SPECIFY EACH TIME)
OK ?
YES
NO
YES
413
TALK SCRIPT EDIT SCREEN
/DETAILS
TOP
SELECTED SERVICE:
TRAFFIC INFORMATION
ROAD:PACIFIC COAST HIGHWAY
LINE:NOT SPECIFIED
(WILL SPECIFY EACH TIME)
REGISTRATION HAS BEEN
COMPLETED. DO YOU WISH TO
REGISTER ANOTHER SERVICE ?
YES
NO
TO TOP (FIG.4A)

FIG.5

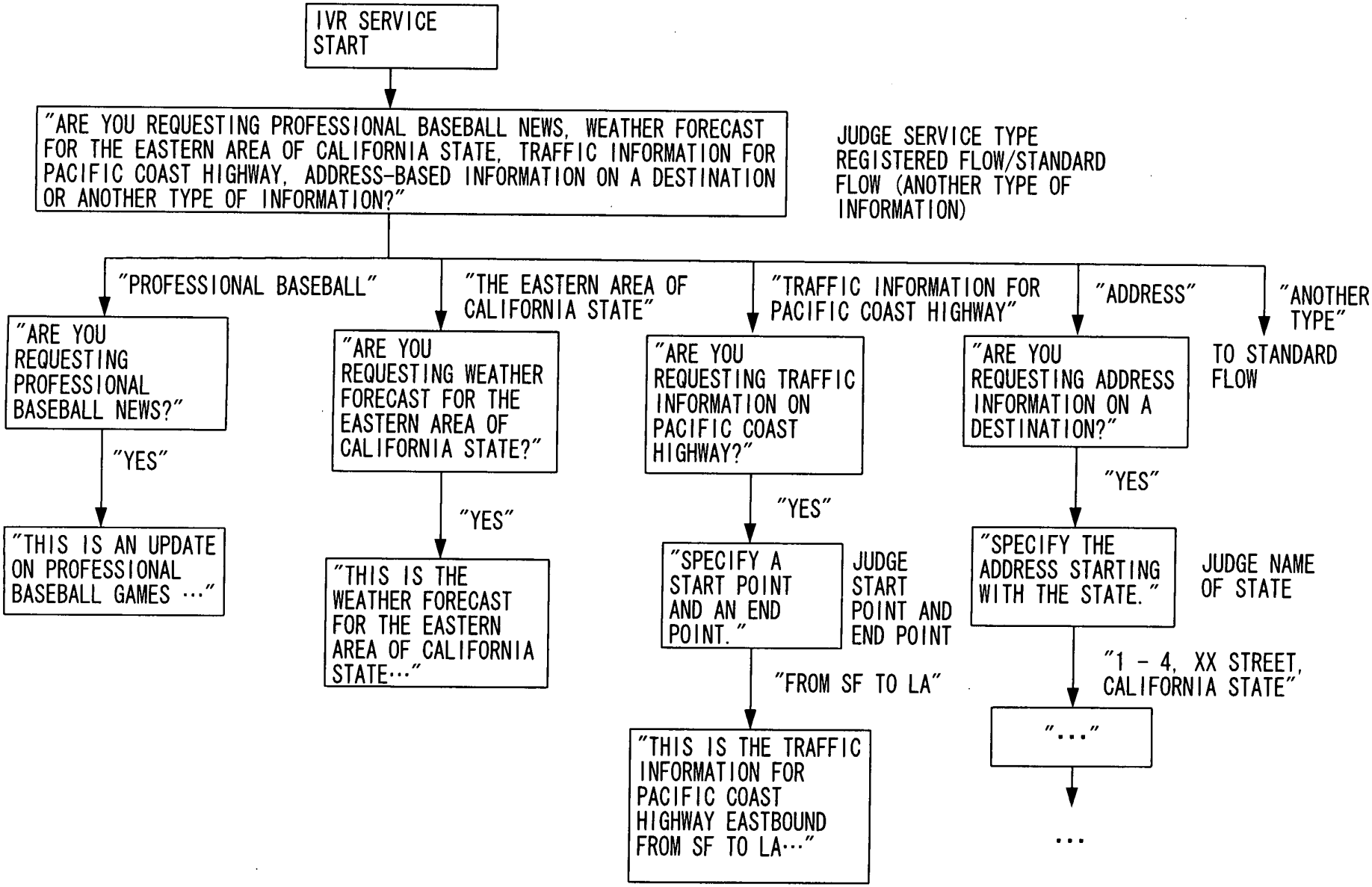

IVR SERVICE START
"ARE YOU REQUESTING PROFESSIONAL BASEBALL NEWS, WEATHER FORECAST FOR THE EASTERN AREA OF CALIFORNIA STATE, TRAFFIC INFORMATION FOR PACIFIC COAST HIGHWAY, ADDRESS-BASED INFORMATION ON A DESTINATION OR ANOTHER TYPE OF INFORMATION?"
JUDGE SERVICE TYPE REGISTERED FLOW/STANDARD FLOW (ANOTHER TYPE OF INFORMATION)
"PROFESSIONAL BASEBALL"
"THE EASTERN AREA OF CALIFORNIA STATE"
"TRAFFIC INFORMATION FOR PACIFIC COAST HIGHWAY"
"ADDRESS"
"ANOTHER TYPE"
"ARE YOU REQUESTING PROFESSIONAL BASEBALL NEWS?"
"YES"
"THIS IS AN UPDATE ON PROFESSIONAL BASEBALL GAMES ..."
"ARE YOU REQUESTING WEATHER FORECAST FOR THE EASTERN AREA OF CALIFORNIA STATE?"
"YES"
"THIS IS THE WEATHER FORECAST FOR THE EASTERN AREA OF CALIFORNIA STATE..."
"ARE YOU REQUESTING TRAFFIC INFORMATION ON PACIFIC COAST HIGHWAY?"
"YES"
"SPECIFY A START POINT AND AN END POINT."
JUDGE START POINT AND END POINT
"FROM SF TO LA"
"THIS IS THE TRAFFIC INFORMATION FOR PACIFIC COAST HIGHWAY EASTBOUND FROM SF TO LA..."
"ARE YOU REQUESTING ADDRESS INFORMATION ON A DESTINATION?"
TO STANDARD FLOW
"YES"
"SPECIFY THE ADDRESS STARTING WITH THE STATE."
JUDGE NAME OF STATE
"1 - 4, XX STREET, CALIFORNIA STATE"
"..."
...

FIG.6

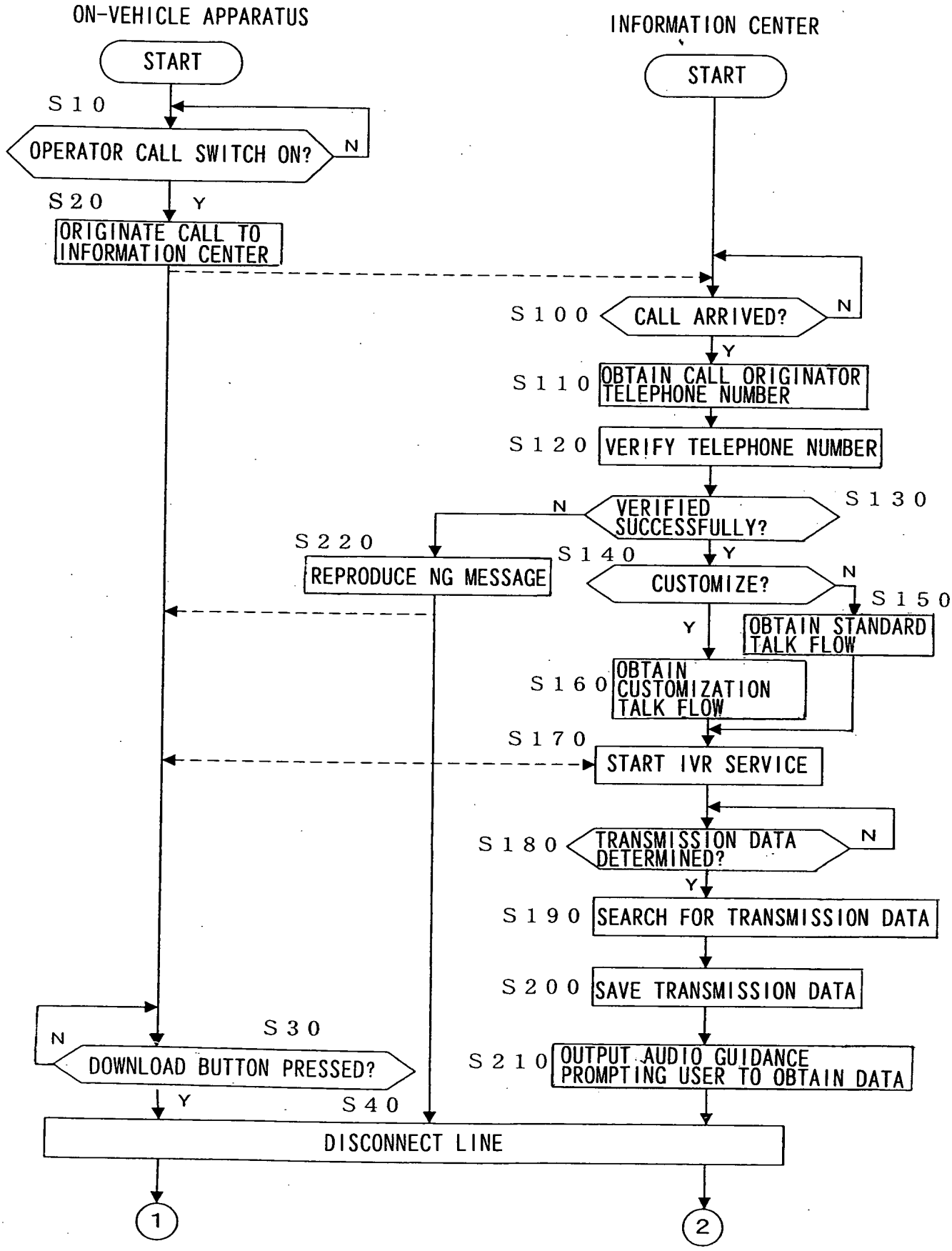

ON-VEHICLE APPARATUS
INFORMATION CENTER
START
START
S10
OPERATOR CALL SWITCH ON?
N
Y
S20
ORIGINATE CALL TO INFORMATION CENTER
S100
CALL ARRIVED?
N
Y
S110
OBTAIN CALL ORIGINATOR TELEPHONE NUMBER
S120
VERIFY TELEPHONE NUMBER
S130
VERIFIED SUCCESSFULLY?
N
Y
S220
REPRODUCE NG MESSAGE
S140
CUSTOMIZE?
N
Y
S150
OBTAIN STANDARD TALK FLOW
S160
OBTAIN CUSTOMIZATION TALK FLOW
S170
START IVR SERVICE
S180
TRANSMISSION DATA DETERMINED?
N
Y
S190
SEARCH FOR TRANSMISSION DATA
S200
SAVE TRANSMISSION DATA
S30
N
DOWNLOAD BUTTON PRESSED?
Y
S210
OUTPUT AUDIO GUIDANCE PROMPTING USER TO OBTAIN DATA
S40
DISCONNECT LINE
1
2

FIG.7

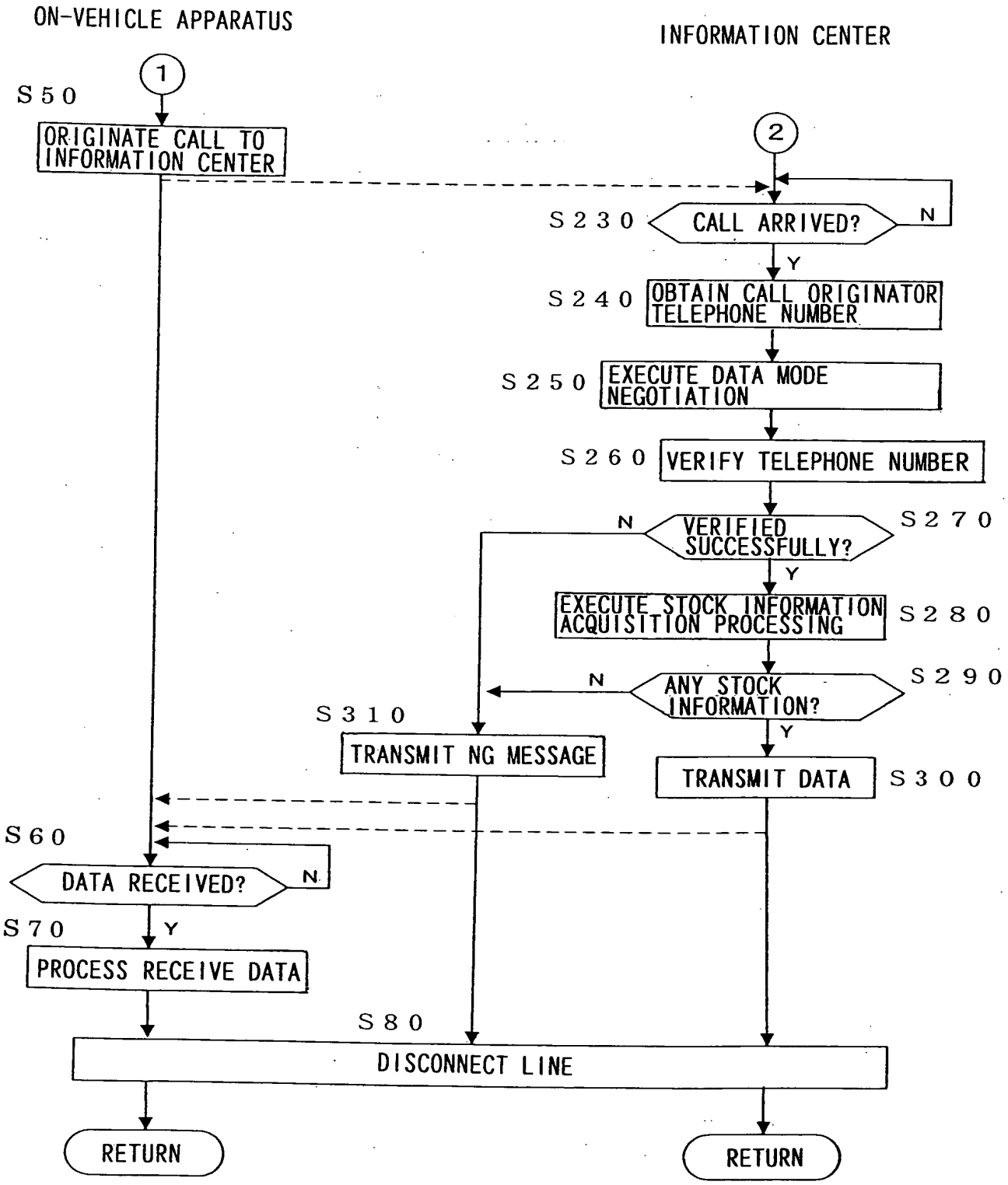

ON-VEHICLE APPARATUS
INFORMATION CENTER
1
2
S50
ORIGINATE CALL TO INFORMATION CENTER
S230
CALL ARRIVED?
N
Y
S240
OBTAIN CALL ORIGINATOR TELEPHONE NUMBER
S250
EXECUTE DATA MODE NEGOTIATION
S260
VERIFY TELEPHONE NUMBER
S270
VERIFIED SUCCESSFULLY?
N
Y
S280
EXECUTE STOCK INFORMATION ACQUISITION PROCESSING
S290
ANY STOCK INFORMATION?
N
Y
S310
TRANSMIT NG MESSAGE
TRANSMIT DATA
S300
S60
DATA RECEIVED?
N
Y
S70
PROCESS RECEIVE DATA
S80
DISCONNECT LINE
RETURN
RETURN

FIG.8

STOCK DATE/TIME		2002/10/10 7:32	
USER ID		*****	
PORTABLE TELEPHONE NUMBER		090888888XX	
・・・		・・・	
STOCK INFORMATION	SERVICE TYPE	10	10 TRAFFIC/11 WEATHER/...
	TITLE	PACIFIC COAST HIGHWAY	
	MAIN TEXT	・・・	MAIN TEXT
	IMAGES	・・・	IMAGE DATA
	ICONS	・・・	ICON DATA
	・・・	・・・	

FIG.9

YEAR	MONTH	DAY	TIME	SERVICE	CONDITION 1	CONDITION 2	CONDITION 3	CONDITION 4	・・・
2002	8	2	7:07:00	TRAFFIC INFORMATION	LINE 1	A-CITY TO B-CITY			
2002	8	5	10:00:30	TRAFFIC INFORMATION	LINE 1	B-CITY TO C-CITY			
2002	8	15	20:11:02	PROFESSIONAL BASEBALL UPDATE					
2002	8	15	21:11:11	PROFESSIONAL BASEBALL UPDATE					
2002	8	16	21:00:00	PROFESSIONAL BASEBALL UPDATE					
2002	8	19	22:00:40	PROFESSIONAL BASEBALL UPDATE					
2002	8	20	19:20:30	PROFESSIONAL BASEBALL UPDATE					
2002	8	21	7:00:08	WEATHER FORECAST	CALIFORNIA	EASTERN AREA			
2002	8	25	7:50:55	WEATHER FORECAST	CALIFORNIA	EASTERN AREA			
2002	8	30	8:01:01	WEATHER FORECAST	CALIFORNIA	EASTERN AREA			
2002	8	30	15:03:20	TRAFFIC INFORMATION	LINE 1	A-CITY TO B-CITY			
2002	9	1	12:12:30	WEATHER FORECAST	CALIFORNIA	EASTERN AREA			
2002	9	1	14:00:00	TRAFFIC INFORMATION	LINE 1	A-CITY TO B-CITY			
2002	9	1	20:11:02	PROFESSIONAL BASEBALL UPDATE					
2002	9	2	21:11:11	PROFESSIONAL BASEBALL UPDATE					
2002	9	3	21:00:00	PROFESSIONAL BASEBALL UPDATE					
2002	9	5	7:00:10	TRAFFIC INFORMATION	LINE 3	D-CITY TO E-CITY			
2002	9	5	8:00:00	TRAFFIC INFORMATION	LINE 1	C-CITY TO F-CITY			
2002	9	6	18:55:53	WEATHER FORECAST	CALIFORNIA	WESTERN AREA			
2002	9	8	11:11:11	WEATHER FORECAST	CALIFORNIA	EASTERN AREA			
2002	9	8	19:20:30	PROFESSIONAL BASEBALL UPDATE					
2002	9	8	22:00:40	PROFESSIONAL BASEBALL UPDATE					
2002	9	9	22:00:40	PROFESSIONAL BASEBALL UPDATE					
2002	9	9	23:59:59	WEATHER FORECAST	CALIFORNIA	EASTERN AREA			
・・・	・・・	・・・	・・・	・・・	・・・				

FIG.10A

TABULATION RESULT EXAMPLE (1)

SERVICE	NUMBER OF TIMES SERVICES RECEIVED	CONDITION 1	NUMBER OF TIMES SERVICES RECEIVED	CONDITION 2	NUMBER OF TIMES SERVICES RECEIVED	. . .
PROFESSIONAL BASEBALL UPDATE	20	-	20	-	20	
WEATHER FORECAST	13	CALIFORNIA	13	EASTERN AREA	12	
				WESTERN AREA	1	
TRAFFIC INFORMATION	26	LINE 1	16	A-CITY TO B-CITY	11	
				B-CITY TO C-CITY	4	
				C-CITY TO F-CITY	1	
		LINE 3	10	D-CITY TO E-CITY	10	
. . .						

FIG.10B

TABULATION RESULT EXAMPLE (2)

	SERVICE	NUMBER OF TIMES SERVICES RECEIVED	CONDITION 1	NUMBER OF TIMES SERVICES RECEIVED	CONDITION 2	NUMBER OF TIMES SERVICES RECEIVED	. . .
WEEKDAY	PROFESSIONAL BASEBALL UPDATE	18	-	18	-	18	
	TRAFFIC INFORMATION	24	LINE 1	14	A-CITY TO B-CITY	11	
					B-CITY TO C-CITY	3	
			LINE 3	10	D-CITY TO E-CITY	10	
	. . .						
HOLIDAY	PROFESSIONAL BASEBALL UPDATE	2	-	2	-	2	
	WEATHER FORECAST	13	CALIFORNIA	13	EASTERN AREA	12	
					WESTERN AREA	1	
	TRAFFIC INFORMATION	2	LINE 1	2	A-CITY TO B-CITY	1	
					B-CITY TO F-CITY	1	
	. . .						

FIG.11

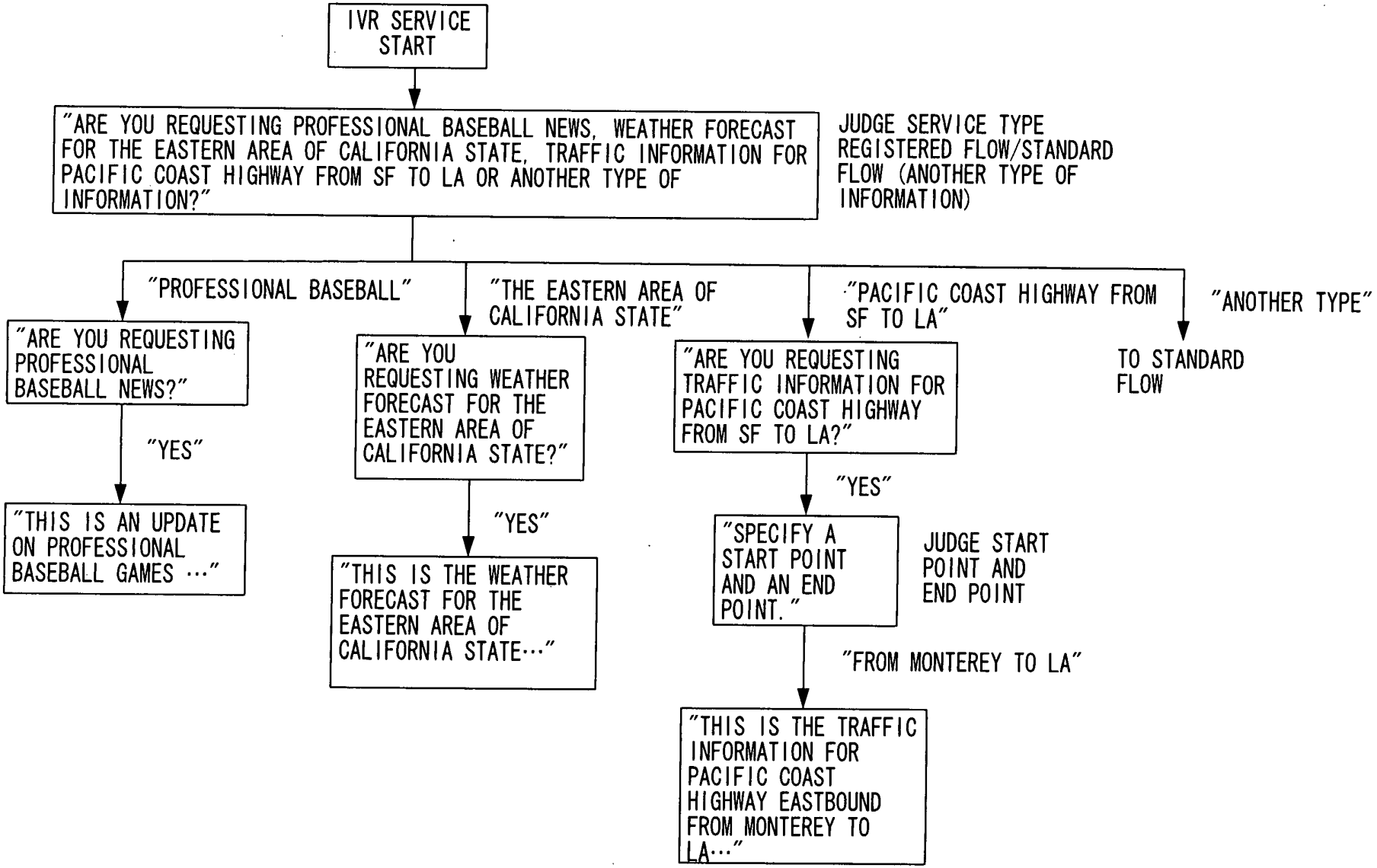

IVR SERVICE START
"ARE YOU REQUESTING PROFESSIONAL BASEBALL NEWS, WEATHER FORECAST FOR THE EASTERN AREA OF CALIFORNIA STATE, TRAFFIC INFORMATION FOR PACIFIC COAST HIGHWAY FROM SF TO LA OR ANOTHER TYPE OF INFORMATION?"
JUDGE SERVICE TYPE REGISTERED FLOW/STANDARD FLOW (ANOTHER TYPE OF INFORMATION)
"PROFESSIONAL BASEBALL"
"THE EASTERN AREA OF CALIFORNIA STATE"
"PACIFIC COAST HIGHWAY FROM SF TO LA"
"ANOTHER TYPE"
"ARE YOU REQUESTING PROFESSIONAL BASEBALL NEWS?"
"YES"
"THIS IS AN UPDATE ON PROFESSIONAL BASEBALL GAMES ···"
"ARE YOU REQUESTING WEATHER FORECAST FOR THE EASTERN AREA OF CALIFORNIA STATE?"
"YES"
"THIS IS THE WEATHER FORECAST FOR THE EASTERN AREA OF CALIFORNIA STATE···"
"ARE YOU REQUESTING TRAFFIC INFORMATION FOR PACIFIC COAST HIGHWAY FROM SF TO LA?"
"YES"
"SPECIFY A START POINT AND AN END POINT."
JUDGE START POINT AND END POINT
"FROM MONTEREY TO LA"
"THIS IS THE TRAFFIC INFORMATION FOR PACIFIC COAST HIGHWAY EASTBOUND FROM MONTEREY TO LA···"
TO STANDARD FLOW

FIG.12

EXTRACTION CONDITION	PARAMETER	DETAILS
NUMBER OF EXTRACTIONS	3	NUMBER OF SERVICES / CONDITIONS TO BE BUILT INTO A HIGHER-ORDER HIERARCHICAL LAYERS IN THE TALK FLOW (PARAMETER 3 INDICATES THAT THREE ITEMS, PROFESSIONAL BASEBALL, WEATHER AND TRAFFIC INFORMATION FROM A-CITY TO B-CITY, ARE BUILT INTO THE HIGHER-ORDER HIERARCHICAL LAYERS, AS SHOWN IN FIG. 11)
EXTRACTION LEVEL	2	THE SERVICE/CONDITION LEVEL (THE LEVEL OF DETAILS) AT WHICH SERVICE/CONDITIONS FREQUENTLY USED BY THE USER ARE TO BE EXTRACTED BASED UPON THE TABULATION RESULTS. THE FREQUENTLY USED SERVICE/CONDITIONS ARE EXTRACTED BASED UPON THE TABULATION RESULTS IN CONFORMANCE TO THIS LEVEL AND THE TALK FLOW IS FORMATTED TO INCLUDE ALL THE DIFFERENT TYPES OF SERVICES THUS EXTRACTED. 0: SERVICE 1: CONDITION 1 2: CONDITION 2 (2 INDICATES CONDITION 2, AND ACCORDINGLY, THE THREE MOST FREQUENTLY USED SERVICES (AS THE NUMBER OF EXTRACTIONS IS SET AT THREE), I.E., PROFESSIONAL BASEBALL, WEATHER FORECAST FOR THE EASTERN AREA OF CALIFORNIA STATE AND TRAFFIC INFORMATION FOR PACIFIC COAST HIGHWAY FROM A-CITY TO B-CITY, ARE BUILT INTO THE FLOW AT CONDITION 2 SETTING). THE LEVEL MAY BE SET INDIVIDUALLY FOR EACH SERVICE (SEE EXTRACTION 1 BELOW)
(EXTRACTION LEVEL 1 (TRAFFIC))	• • •	EXTRACTION LEVEL FOR TRAFFIC INFORMATION (WHEN THE EXTRACTION LEVEL FOR TRAFFIC INFORMATION IS SET TO 0 AND THE EXTRACTION LEVELS FOR ALL THE OTHER SERVICES ARE SET TO 2, TRAFFIC INFORMATION/PROFESSIONAL BASEBALL/WEATHER FOR EASTERN AREA OF CALIFORNIA STATE ARE BUILT INTO THE TALK FLOW)
(EXTRACTION LEVEL 2 (NEWS))	• • •	EXTRACTION LEVEL FOR NEWS
• • •		

FIG.13A

DATE/ TIME	IVR1	IVR RECOGNITION RESULTS 1(RESULTS OF IVR RECOGNITION OF SPEECH BY A USER)	IVR2	IVR RECIGNIT-ION RESULT 2	IVR3	IVR RECIGNITION RESULT 3	
2002/2/2 15:00	"SPECIFY A SERVICE YOU WISH TO ・・・"	"TRAFFIC INFORMATION"	"ARE YOU REQUESTING TRAFFIC INFORMATION ?"	"YES"	"SPECIFY A ROAD"	"PACIFIC COAST HIGHWAY"	
2002/2/5 9:00	"SPECIFY A SERVICE YOU WISH TO ・・・"	"GENERAL NEWS"	"ARE YOU REQUESTING GENERAL NEWS?"	"YES"	"SPECIFY A CATEGORY YOU ARE INTERESTED IN"	(NO SUCCESSFUL RECOGNITION)	
2002/2/6 12:00	"SPECIFY A SERVICE YOU WISH TO ・・・"	"WEATHER FORECAST"	"ARE YOU REQUESTING WEATHER FORECAST?"	"YES"	"SPECIFY A STATE"	"ALABAMA STATE"	
2002/2/6 12:00	"・・・"	"・・・"	"・・・"	"・・・"	"・・・"	"・・・"	
・・・	・・・	・・・	・・・	・・・	・・・	・・・	

(A PORTION OF THE USER'S SPEECH "KABU" IS NOT RECOGNIZED)

(A PORTION OF THE USER'S SPEECH "CALIFORNIA STATE" IS ERRONEOUSLY RECOGNIZED)

FIG.13B

	IVR4	IVR RECIGNITION RESULT 4	IVR5	IVR RECIGNITION RESULT 5	IVR6	IVR RECIGNITION RESULT 6	...
	"ARE YOU REQUESTING TRAFFIC INFORMATION FOR PACIFIC COAST HIGHWAY?"	"YES"	"SPECIFY AN AREA"	"FROM A-CITY TO B-CITY"	"ARE YOU REQUESTING TRAFFIC INFORMATION FOR PACIFIC COAST HIGHWAY FROM A-CITY TO B-CITY?"	"..."	
	"WE HAVE NOT BEEN ABLE TO RECOGNIZE YOUR REQUEST. PLEASE STATE YOUR REQUEST AGAIN"	"STOCK MARKET"	"ARE YOU REQUESTING INFORMATION ON STOCK PRICES ?"	"YES"	"..."		
	"ARE YOU REQUESTING WEATHER FORECAST FOR ARIZONA STATE?"	"NO"	"WE ARE SORRY. PLEASE SPECIFY THE STATE AGAIN"	"ALABAMA STATE"	"ARE YOU REQUESTING WEATHER FORECAST FOR ALABAMA STATE?"	DISCONNECT LINE	
	"..."	"..."	"..."	"..."	"..."	"..."	"..."
	...	...	...	...	...	...	...

FIG.14

(CONDITIONS ONLY)

STOCK DATE/TIME		2002/10/10 7:32
USER ID		*****
PORTABLE TELEPHONE NUMBER		090888888XX
・・・		・・・
STOCK INFORMATION	SERVICE TYPE	10
	CONDITION 1	PACIFIC COAST HIGHWAY
	CONDITION 2	A-CITY TO B-CITY
	・・・	・・・

10 TRAFFIC /11WEATHER/···